

Claims

What is claimed is:

1. High quantum efficiency point detector system comprising:
a light source generating a light beam having an area; and
a detector with a cell size comparable to light beam area.
2. ¹⁰³ The detector system of claim 1 wherein the cell includes a single pixel.
3. ¹⁰³ The detector system of claim 1 wherein the cell includes at least two pixels.
4. ^{Sub A17} The detector system of claim 1 further including a readout capacitor and means for transferring, multiple times, charge from the detector to the capacitor.
5. The detector system of claim 1 further including a plurality of transfer and readout capacitors.
6. ^{103 well known} The system of claim 1 wherein the detector is a ^{solid state det to fit cassette holders} CCD detector.
7. The detector system of claim 5 wherein the plurality of transfer and readout capacitors are arranged in a pipeline configuration.
8. The detector system of claim 5 wherein the plurality of transfer and readout capacitors are arranged in a cyclic pattern around a light sensitive area.